

519,132

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



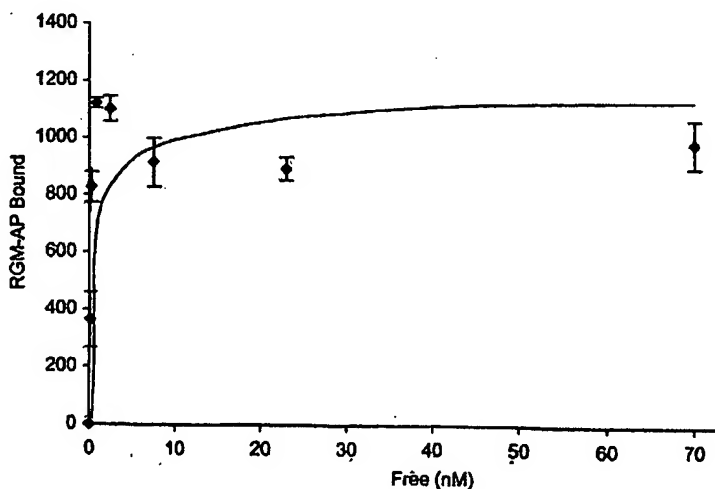
(43) International Publication Date  
8 January 2004 (08.01.2004)

PCT

(10) International Publication Number  
**WO 2004/003150 A2**

- (51) International Patent Classification<sup>7</sup>: C12N (74) Agent: MILLER, Scott, D.; Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, PC, 666 Third Avenue, New York, NY 10017 (US).
- (21) International Application Number: PCT/US2003/020147
- (22) International Filing Date: 26 June 2003 (26.06.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/392,062 26 June 2002 (26.06.2002) US
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:  
US 60/392,062 (CON)  
Filed on 26 June 2002 (26.06.2002)
- (71) Applicant (for all designated States except US): YALE UNIVERSITY [US/US]; 433 Temple Street, New Haven, CT 06511 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): STRITTMATTER, Stephen [US/US]; 96 Tulip Lee Drive, Guilford, CT 06437 (US). MUELLER, Bernhard [DE/DE]; Landhausstrasse 3, 721444 Dusslingen (DE). DEITINGHOFF, Lutz [DE/DE]; Danziger Strasse 21, 72072 Tubingen (DE).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MODULATORS AND MODULATION OF THE INTERACTION BETWEEN RGM AND NEOGENIN



(57) Abstract: This invention relates to drug screening using mammalian repulsive guidance molecules and mammalian Neogenin. In addition, the invention provides for methods of preventing, alleviating or treating various disorders of the nervous system, angiogenic disorders or disorders of the cardio-vascular system and malignancies of differentiation by disrupting the interaction between RGM and Neogenin.

WO 2004/003150 A2